

Amendments to the Claims

This listing of claims will replace all prior listings of claims in the application.

Listing of Claims

1. (Currently Amended) A wire retainer comprising a supporting member having a fixed part at a lower portion, said fixed part being fixed to a hole defined in a circuit board;

a retainer member fixed to the supporting member for retaining a lead wire;

wherein the retainer member has a base part fixed to a central portion of the supporting member and extended upward to retain the wire, and a restriction part fixed to an upper end of the base part at its one end and extending downward from one end to the other end along an upper portion of the supporting member.

2. (Currently Amended) The wire retainer according to Claim 1, wherein the base part is fixed to the central portion of the supporting member and extended upward from both sides thereof to define upper end portions of said base part, and restriction parts are fixed to each of said upper end portions of the base part.

3. (Previously Presented) The wire retainer according to Claim 1, wherein the retainer member is made of a flexible material.

4. (Currently Amended) The wire retainer according to Claim 1, wherein ~~an~~ the upper portion of the supporting member is positioned above a part of the central portion thereof to which the retainer member is fixed and is covered with an insulating material.

5. (Previously Presented) The wire retainer according to Claim 1, wherein a protrusion which can be inserted into and fixed to a hole defined in the circuit board is provided on a lower surface of the base part.

6. (Previously Presented) The wire retainer according to Claim 1, wherein the fixed part of the supporting member is fixed to the hole through which electronic components are mounted by soldering.

7. (New) A wire retainer comprising:

an elongate supporting member having an upper portion and a lower portion; and

a retainer member received on the elongate supporting member for retaining a wire, the retainer member having a base part, which is received on a central portion of the elongate supporting member between the upper and lower portions, and which extends upward to an upper end of the base part, and a restriction part, which is fixed to the upper end of the base part and which extends downward therefrom toward the upper portion of the supporting member,

wherein the lower portion of the elongate supporting member is configured to be fixed to a hole defined in a circuit board and the wire is retained in a space defined by the base part and the restriction part of the retainer member, respectively, and the upper portion of the elongate supporting member.

8. (New) The wire retainer according to Claim 7, wherein the lower portion of the elongate supporting member includes a portion made of metal.

9. (New) The wire retainer according to Claim 8, wherein at least some portion of the upper portion of the elongate supporting member, positioned above the central

portion thereof to which the retainer member is fixed, is covered with an insulating material.

10. (New) The wire retainer according to Claim 7, wherein the base part is fixed to the central portion of the elongate supporting member and includes dual extension parts which extend upward from opposite sides of the base part such that each of said extension parts defines a respective upper end and includes a respective restriction part.

11. (New) The wire retainer according to Claim 7, wherein at least some portion of the upper portion of the elongate supporting member, positioned above the central portion thereof to which the retainer member is fixed, is covered with an insulating material.

12. (New) The wire retainer according to Claim 7, wherein the lower portion of the elongate supporting member is configured to be fixed to a hole in the circuit board to which electronic components are mounted by soldering.

13. (New) A wire retainer comprising a cylindrical supporting member made of metal and having an upper portion and a fixed part at a lower portion, said fixed part being fixed to a hole defined in a circuit board;

a retainer member fixed to the supporting member for retaining a lead wire;

wherein the retainer member has a base part which is fixed to a central portion of the supporting member and extends upward to retain the wire, and a restriction part which is fixed to an upper end of the base part at its one end and extends downward from one end to the other end along the supporting member, and

wherein the wire is retained in a space surrounded by the base part and restriction part of the retainer member, respectively, and the upper portion over the cylindrical body to which the base part of the retainer member is fixed.

14. (New) The wire retainer according to Claim 13, wherein the base part is fixed to the central portion of the supporting member and extended upward from both sides thereof, and restriction parts are fixed to each upper end of the base part.

15. (New) The wire retainer according to Claim 13, wherein the retainer member is made of a flexible material.

16. (New) The wire retainer according to Claim 13, wherein an upper portion of the supporting member positioned above a part thereof to which the retainer member is fixed is covered with an insulating material.

17. (New) The wire retainer according to Claim 13, wherein a protrusion which can be inserted into and fixed to a hole defined in the circuit board is provided on a lower surface of the base part.

18. (New) The wire retainer according to Claim 13, wherein the fixed part of the supporting member is fixed to the hole through which electronic components are mounted by soldering.

19. (New) The wire retainer according to Claim 13, wherein the lower portion of the supporting member is solderable and the upper portion includes an insulating material to prevent electrical conductivity between the wire and the circuit board through the supporting member.

20. (New) The wire retainer according to Claim 19,  
wherein the retainer member includes an insulating material.